

Gregory, Bernarr

From: PLUS
Sent: Thursday, February 10, 2005 2:07 PM
To: Gregory, Bernarr
Subject: PLUS Results for 10829184

Here are the PLUS search results for 10829184.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10829184_QUAL.txt



10829184_LIST.txt



10829184_WEST.txt



10829184_EAST.txt



10829184.east



10829184_CLS.txt



10829184_CLSTITLES.
xt



10829184_WDS.txt

10829184_QUAL

5559520 99
5838277 99
6040766 99
5416730 98
5515043 98
5523761 98
5555286 98
5572217 98
5589835 98
5726660 98
5742509 98
5786789 98
5857155 98
5930699 98
5990809 98
6121922 98
6166627 98
6188899 98
6232915 98
6246960 98
6273771 98
6292830 98
6333711 98
6334086 98
6336075 98
6381324 98
6418346 98
6449892 98
6480149 98
6516198 98
6609064 98
6657535 98
6754583 98
6792349 98
6792352 98
6838998 98
5950161 80
6114990 79
5504492 79
5617317 79
5629693 79
5790073 79
5815114 79
5868100 79
5910788 79
5923286 79
5952958 79
5485161 79

10829184_QUAL

5596328 79
5600329 79
5610616 79
5654717 79
5689431 79
5691726 79
5737374 79
5767795 79
5767804 79
5809426 79
5821898 79
5831577 79
5850625 79
5852528 79
5878369 79
5999124 79
6035254 79
6037899 79
6046687 79
6094164 79
6128574 79
6128501 79
6127968 79
6169902 79
6184801 79
6191731 79
6198528 79
6236360 79
6236940 79
6240363 79
4329690 78
4837700 78
4881080 78
4903212 78
5043736 78
5179519 78
5187485 78
5223844 78
5235633 78
5245634 78
5289195 78
5294937 78
5317321 78
5331563 78
5334974 78
5335246 78
5345244 78
5345388 78

10829184_QUAL

5353023 78
5355526 78
5383128 78
5388147 78
5389934 78
5396431 78
5414432 78
5418538 78
5438518 78
5442557 78
5442559 78
5448768 78
5455823 78
5463554 78
5471391 78
5471392 78
5473324 78
5475597 78
5479479 78
5479482 78
5483456 78
5488558 78
5493694 78
5497339 78
5499032 78
5504491 78
5508707 78
5508708 78
5510801 78
5512903 78
5546309 78
5546445 78
5552780 78
5552772 78
5553407 78
5565858 78
5565874 78
5570412 78
5571018 78
5574465 78
5583494 78
5587904 78
5588005 78
5594953 78
5600061 78
5606506 78
5608412 78
5613223 78

10829184_QUAL

5617319 78
5621417 78
5621666 78
5629691 78
5630206 78
5631656 78
5631658 78
5633875 78
5636122 78
5638280 78
5640297 78
5646632 78
5646844 78
5648763 78
5652592 78
5654890 78
5659617 78
5663734 78
5671451 78
5682139 78
5686888 78
5689270 78
5691980 78
5708438 78
5708440 78
5712899 78
5714948 78
5717406 78
5719771 78
5720770 78
5721684 78
5722081 78
5727034 78
5729109 78
5736964 78
5742233 78
5748147 78
5748148 78
5751245 78
5751246 78
5752164 78
5754136 78
5757291 78
5757786 78
5758313 78
5760742 78
5761095 78
5764188 78

10829184_QUAL

5767788 78
5774069 78
5774829 78
5777580 78
5781156 78
5781101 78
5784005 78
5787384 78
5790976 78
5802453 78
5805113 78
5809440 78
5808566 78
5812069 78
5815814 78
RE35916 78
5819199 78
5825283 78
5831552 78
5835907 78
5835881 78
5839086 78
5841396 78
5841026 78
5847679 78
5852767 78
5856802 78
5861841 78
5864125 78
5875412 78
5874914 78
5874897 78
5877723 78
5878376 78
5883598 78
5884216 78
5884215 78
5890061 78
5889493 78
5889492 78
5889488 78
5892463 78
5894323 78
5897602 78
5898680 78
5899956 78
5900838 78
5901358 78

10829184_QUAL

5902351 78
5903228 78
5906654 78
5906655 78
5908464 78
5913078 78
5913170 78
5913918 78
5916300 78
5917435 78
5917449 78
5917990 78
5918180 78
5924040 78
5922073 78
5926133 78
5928325 78
5930743 78
5929806 78
5940172 78
5939975 78
5938721 78
5938719 78
5943009 78
5946611 78
5945948 78
5949371 78
5949350 78
5959577 78
5969673 78
5973639 78
5974358 78
5982710 78
5982325 78
5982322 78
5991690 78
5991722 78
5995903 78
5999126 78
5999125 78
5999299 78
6002342 78
6002363 78
6002379 78
6002982 78
6006096 78
6005961 78
6006021 78

10829184_QUAL

6008757 78
6011510 78
6011518 78
6012028 78
6014608 78
6016423 78
6018315 78
6018667 78
6018698 78
6021371 78
6023232 78

84

PLUS Search Results for S/N 10829184, Searched February 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search

system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are

most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5559520	5610616	5389934	5631658	5790976	5917449
5838277	5654717	5396431	5633875	5802453	5917990
6040766	5689431	5414432	5636122	5805113	5918180
5416730	5691726	5418538	5638280	5809440	5924040
5515043	5737374	5438518	5640297	5808566	5922073
5523761	5767795	5442557	5646632	5812069	5926133
5555286	5767804	5442559	5646844	5815814	5928325
5572217	5809426	5448768	5648763	RE35916	5930743
5589835	5821898	5455823	5652592	5819199	5929806
5726660	5831577	5463554	5654890	5825283	5940172
5742509	5850625	5471391	5659617	5831552	5939975
5786789	5852528	5471392	5663734	5835907	5938721
5857155	5878369	5473324	5671451	5835881	5938719
5930699	5999124	5475597	5682139	5839086	5943009
5990809	6035254	5479479	5686888	5841396	5946611
6121922	6037899	5479482	5689270	5841026	5945948
6166627	6046687	5483456	5691980	5847679	5949371
6188899	6094164	5488558	5708438	5852767	5949350
6232915	6128574	5493694	5708440	5856802	5959577
6246960	6128501	5497339	5712899	5861841	5969673
6273771	6127968	5499032	5714948	5864125	5973639
6292830	6169902	5504491	5717406	5875412	5974358
6333711	6184801	5508707	5719771	5874914	5982710
6334086	6191731	5508708	5720770	5874897	5982325
6336075	6198528	5510801	5721684	5877723	5982322
6381324	6236360	5512903	5722081	5878376	5991690
6418346	6236940	5546309	5727034	5883598	5991722
6449892	6240363	5546445	5729109	5884216	5995903
6480149	4329690	5552780	5736964	5884215	5999126
6516198	4837700	5552772	5742233	5890061	5999125
6609064	4881080	5553407	5748147	5889493	5999299
6657535	4903212	5565858	5748148	5889492	6002342
6754583	5043736	5565874	5751245	5889488	6002363
6792349	5179519	5570412	5751246	5892463	6002379
6792352	5187485	5571018	5752164	5894323	6002982

10829184_LIST

6838998	5223844	5574465	5754136	5897602	6006096
5950161	5235633	5583494	5757291	5898680	6005961
6114990	5245634	5587904	5757786	5899956	6006021
5504492	5289195	5588005	5758313	5900838	6008757
5617317	5294937	5594953	5760742	5901358	6011510
5629693	5317321	5600061	5761095	5902351	6011518
5790073	5331563	5606506	5764188	5903228	6012028
5815114	5334974	5608412	5767788	5906654	6014608
5868100	5335246	5613223	5774069	5906655	6016423
5910788	5345244	5617319	5774829	5908464	6018315
5923286	5345388	5621417	5777580	5913078	6018667
5952958	5353023	5621666	5781156	5913170	6018698
5485161	5355526	5629691	5781101	5913918	6021371
5596328	5383128	5630206	5784005	5916300	6023232
5600329	5388147	5631656	5787384	5917435	

10829184_WEST

(5559520 5838277 6040766 5416730 5515043 5523761 5555286 5572217 55898
35 5726660 5742509 5786789 5857155 5930699 5990809 6121922 6166627 618
8899 6232915 6246960 6273771 6292830 6333711 6334086 6336075 6381324 6
418346 6449892 6480149 6516198 6609064 6657535 6754583 6792349 6792352
6838998 5950161 6114990 5504492 5617317 5629693 5790073 5815114 58681
00 5910788 5923286 5952958 5485161 5596328 5600329).pn.
(5610616 5654717 5689431 5691726 5737374 5767795 5767804 5809426 58218
98 5831577 5850625 5852528 5878369 5999124 6035254 6037899 6046687 609
4164 6128574 6128501 6127968 6169902 6184801 6191731 6198528 6236360 6
236940 6240363 4329690 4837700 4881080 4903212 5043736 5179519 5187485
5223844 5235633 5245634 5289195 5294937 5317321 5331563 5334974 53352
46 5345244 5345388 5353023 5355526 5383128 5388147).pn.
(5389934 5396431 5414432 5418538 5438518 5442557 5442559 5448768 54558
23 5463554 5471391 5471392 5473324 5475597 5479479 5479482 5483456 548
8558 5493694 5497339 5499032 5504491 5508707 5508708 5510801 5512903 5
546309 5546445 5552780 5552772 5553407 5565858 5565874 5570412 5571018
5574465 5583494 5587904 5588005 5594953 5600061 5606506 5608412 56132
23 5617319 5621417 5621666 5629691 5630206 5631656).pn.
(5631658 5633875 5636122 5638280 5640297 5646632 5646844 5648763 56525
92 5654890 5659617 5663734 5671451 5682139 5686888 5689270 5691980 570
8438 5708440 5712899 5714948 5717406 5719771 5720770 5721684 5722081 5
727034 5729109 5736964 5742233 5748147 5748148 5751245 5751246 5752164
5754136 5757291 5757786 5758313 5760742 5761095 5764188 5767788 57740
69 5774829 5777580 5781156 5781101 5784005 5787384).pn.
(5790976 5802453 5805113 5809440 5808566 5812069 5815814 RE35916 58191
99 5825283 5831552 5835907 5835881 5839086 5841396 5841026 5847679 585
2767 5856802 5861841 5864125 5875412 5874914 5874897 5877723 5878376 5
883598 5884216 5884215 5890061 5889493 5889492 5889488 5892463 5894323
5897602 5898680 5899956 5900838 5901358 5902351 5903228 5906654 59066
55 5908464 5913078 5913170 5913918 5916300 5917435).pn.
(5917449 5917990 5918180 5924040 5922073 5926133 5928325 5930743 59298
06 5940172 5939975 5938721 5938719 5943009 5946611 5945948 5949371 594
9350 5959577 5969673 5973639 5974358 5982710 5982325 5982322 5991690 5
991722 5995903 5999126 5999125 5999299 6002342 6002363 6002379 6002982
6006096 6005961 6006021 6008757 6011510 6011518 6012028 6014608 60164
23 6018315 6018667 6018698 6021371 6023232).pn.

10829184_EAST

(5559520
5838277
6040766
5416730
5515043
5523761
5555286
5572217
5589835
5726660
5742509
5786789
5857155
5930699
5990809
6121922
6166627
6188899
6232915
6246960
6273771
6292830
6333711
6334086
6336075
6381324
6418346
6449892
6480149
6516198
6609064
6657535
6754583
6792349
6792352
6838998
5950161
6114990
5504492
5617317
5629693
5790073
5815114
5868100
5910788
5923286
5952958
5485161

10829184_EAST

5596328
5600329) .pn.
(5610616
5654717
5689431
5691726
5737374
5767795
5767804
5809426
5821898
5831577
5850625
5852528
5878369
5999124
6035254
6037899
6046687
6094164
6128574
6128501
6127968
6169902
6184801
6191731
6198528
6236360
6236940
6240363
4329690
4837700
4881080
4903212
5043736
5179519
5187485
5223844
5235633
5245634
5289195
5294937
5317321
5331563
5334974
5335246
5345244
5345388

10829184_EAST

5353023
5355526
5383128
5388147) .pn.
(5389934
5396431
5414432
5418538
5438518
5442557
5442559
5448768
5455823
5463554
5471391
5471392
5473324
5475597
5479479
5479482
5483456
5488558
5493694
5497339
5499032
5504491
5508707
5508708
5510801
5512903
5546309
5546445
5552780
5552772
5553407
5565858
5565874
5570412
5571018
5574465
5583494
5587904
5588005
5594953
5600061
5606506
5608412
5613223

10829184_EAST

5617319
5621417
5621666
5629691
5630206
5631656) .pn.
(5631658
5633875
5636122
5638280
5640297
5646632
5646844
5648763
5652592
5654890
5659617
5663734
5671451
5682139
5686888
5689270
5691980
5708438
5708440
5712899
5714948
5717406
5719771
5720770
5721684
5722081
5727034
5729109
5736964
5742233
5748147
5748148
5751245
5751246
5752164
5754136
5757291
5757786
5758313
5760742
5761095
5764188

10829184_EAST

5767788
5774069
5774829
5777580
5781156
5781101
5784005
5787384).pn.
(5790976
5802453
5805113
5809440
5808566
5812069
5815814
RE35916
5819199
5825283
5831552
5835907
5835881
5839086
5841396
5841026
5847679
5852767
5856802
5861841
5864125
5875412
5874914
5874897
5877723
5878376
5883598
5884216
5884215
5890061
5889493
5889492
5889488
5892463
5894323
5897602
5898680
5899956
5900838
5901358

10829184_EAST

5902351
5903228
5906654
5906655
5908464
5913078
5913170
5913918
5916300
5917435) .pn.
(5917449
5917990
5918180
5924040
5922073
5926133
5928325
5930743
5929806
5940172
5939975
5938721
5938719
5943009
5946611
5945948
5949371
5949350
5959577
5969673
5973639
5974358
5982710
5982325
5982322
5991690
5991722
5995903
5999126
5999125
5999299
6002342
6002363
6002379
6002982
6006096
6005961
6006021

10829184_EAST

6008757
6011510
6011518
6012028
6014608
6016423
6018315
6018667
6018698
6021371
6023232) .pn.

10829184_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10829184 on February 10, 2005

Original Classifications

19	342/457
15	701/213
11	342/357.1
10	701/207
9	342/357.07
8	340/988
8	342/357.03
8	342/357.08
7	342/357.06
7	342/357.09
7	455/456.2
7	455/456.3
7	701/211
6	342/357.12
5	340/825.49
4	342/357.13
4	342/357.14
4	455/404.2
4	701/200
4	701/208
4	701/216
3	342/357.02
3	455/456.5
3	455/502
3	701/210
3	701/215
2	73/178R
2	340/438
2	340/539.13
2	340/573.1
2	340/905
2	340/961
2	340/990
2	342/357.16
2	343/713
2	370/316
2	370/346
2	701/201
2	701/209
2	701/214
2	701/50
2	702/166
2	704/260

Cross-Reference Classifications

46 701/213
35 342/457
27 340/990
24 340/988
19 701/207
17 701/208
13 342/357.06
12 340/825.49
11 701/200
10 342/357.09
10 342/357.13
10 342/463
10 455/12.1
9 701/211
8 340/539.1
8 340/539.13
8 455/457
8 701/214
8 701/300
7 340/426.28
7 342/450
7 455/404.2
7 701/209
7 701/220
6 73/178R
6 340/426.2
6 340/905
6 340/995.1
6 342/357.07
6 342/357.08
6 342/357.1
6 455/456.1
6 455/517
6 455/524
5 340/426.19
5 340/825.36
5 340/989
5 340/995.14
5 342/357.01
5 342/357.14
5 455/456.5
5 701/117
5 701/215
5 701/216
5 701/301
4 340/995.23

10829184_CLS

4 340/995.28
4 342/358
4 342/419
4 343/700MS
4 379/37
4 455/440
4 701/210
4 701/212
4 701/35
4 701/50
3 340/991
3 340/995.13
3 340/995.18
3 340/995.26
3 342/352
3 342/357.03
3 342/357.17
3 375/356
3 455/456.6
3 455/521
3 701/1
3 701/14
2 128/903
2 180/287
2 244/171
2 307/10.1
2 340/10.1
2 340/10.2
2 340/10.31
2 340/10.41
2 340/426.18
2 340/436
2 340/438
2 340/5.61
2 340/573.1
2 340/573.3
2 340/7.21
2 340/7.43
2 340/7.5
2 340/933
2 340/979
2 340/992
2 340/993
2 340/995.19
2 340/995.2
2 340/995.21
2 340/995.24
2 342/118

10829184_CLS

2 342/29
2 342/357.02
2 342/357.11
2 342/357.12
2 342/386
2 342/451
2 342/462
2 342/465
2 343/725
2 361/814
2 370/335
2 379/45
2 455/11.1
2 455/13.2
2 455/439
2 455/445
2 455/456.2
2 455/522
2 455/560
2 455/563
2 455/575.9
2 700/3
2 701/120
2 701/201
2 701/202
2 701/217
2 701/221
2 701/222
2 701/24
2 701/29
2 704/270

Combined Classifications

61 701/213
54 342/457
32 340/988
29 340/990
29 701/207
21 701/208
20 342/357.06
17 340/825.49
17 342/357.09
17 342/357.1
16 701/211
15 342/357.07
15 701/200
14 342/357.08
14 342/357.13

11 342/357.03
11 342/463
11 455/404.2
10 340/539.13
10 455/12.1
10 701/214
9 342/357.14
9 455/456.2
9 455/457
9 701/209
9 701/216
9 701/300
8 73/178R
8 340/539.1
8 340/905
8 342/357.12
8 455/456.5
8 701/215
8 701/220
7 340/426.28
7 340/995.1
7 342/450
7 455/456.1
7 455/456.3
7 701/210
6 340/426.2
6 340/989
6 340/995.14
6 342/357.01
6 455/517
6 455/524
6 701/117
6 701/50
5 340/426.19
5 340/825.36
5 342/357.02
5 701/301
4 340/438
4 340/573.1
4 340/991
4 340/995.13
4 340/995.23
4 340/995.26
4 340/995.28
4 342/352
4 342/358
4 342/419
4 343/700MS

4 375/356
4 379/37
4 455/440
4 455/521
4 701/201
4 701/212
4 701/35
3 340/426.18
3 340/961
3 340/995.18
3 342/357.11
3 342/357.16
3 342/357.17
3 455/456.6
3 455/502
3 701/1
3 701/14
3 701/202
2 128/903
2 180/287
2 244/171
2 307/10.1
2 340/10.1
2 340/10.2
2 340/10.31
2 340/10.41
2 340/436
2 340/5.61
2 340/573.3
2 340/573.4
2 340/7.21
2 340/7.43
2 340/7.5
2 340/903
2 340/933
2 340/979
2 340/992
2 340/993
2 340/995.19
2 340/995.2
2 340/995.21
2 340/995.24
2 340/995.27
2 342/118
2 342/29
2 342/357.05
2 342/363
2 342/386

10829184_CLS

2 342/451
2 342/462
2 342/465
2 343/713
2 343/725
2 348/116
2 361/814
2 370/316
2 370/324
2 370/335
2 370/346
2 375/376
2 379/45
2 380/258
2 396/310
2 455/11.1
2 455/13.2
2 455/439
2 455/445
2 455/454
2 455/522
2 455/560
2 455/563
2 455/575.9
2 607/30
2 700/3
2 701/120
2 701/217
2 701/221
2 701/222
2 701/24
2 701/29
2 702/166
2 704/260
2 704/270

10829184_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10829184 on February 10, 2005

61	701/213	(15 OR, 46 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/213	..Using Global Positioning System (GPS)
54	342/457	(19 OR, 35 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/350	DIRECTIVE
	342/450	.Position indicating (e.g., triangulation)
	342/457	..Land vehicle location (e.g., bus, police car)
32	340/988	(8 OR, 24 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
29	340/990	(2 OR, 27 XR)
	Class 340 :	COMMUNICATIONS: ELECTRICAL
	340/988	VEHICLE POSITION INDICATION
	340/989	.At remote location
	340/990	...With map display
29	701/207	(10 OR, 19 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
21	701/208	(4 OR, 17 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/208	..For use in a map data base system
20	342/357.06	(7 OR, 13 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/350	DIRECTIVE
	342/352	.Including a satellite

10829184_CLSTITLES

342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)

17 340/825.49 (5 OR, 12 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.36 .Having indication or alarm (e.g., location
 indication)
 340/825.49 ..Location indication

17 342/357.09 (7 OR, 10 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.09 With transmission of location-indicative
 information to or from a remote station

17 342/357.1 (11 OR, 6 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.1 Combined with telecommunication

16 701/211 (7 OR, 9 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system
 701/211 ...Having audio or visual route guidance

15 342/357.07 (9 OR, 6 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)

10829184_CLSTITLES

342/357.07Tracking or monitoring (i.e., lost or stolen vehicles)

15 701/200 (4 OR, 11 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

14 342/357.08 (8 OR, 6 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 ..Including a satellite

342/357.01 ..With position indicating

342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)

342/357.08Determining relative position (e.g.,
distance or direction)

14 342/357.13 (4 OR, 10 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 ..Including a satellite

342/357.01 ..With position indicating

342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)

342/357.13With storage device (i.e., map or database
)

11 342/357.03 (8 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 ..Including a satellite

342/357.01 ..With position indicating

342/357.02 ...With accuracy enhancing

342/357.03Using differential correction

11 342/463 (1 OR, 10 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/450 ..Position indicating (e.g., triangulation)

342/463 ..Having plural transmitters or receivers

11 455/404.2 (4 OR, 7 XR)

10829184_CLSTITLES

Class	455	:	TELECOMMUNICATIONS
455/403			RADIOTELEPHONE SYSTEM
455/404.1			.Emergency or alarm communication
455/404.2			..Location monitoring

10	340/539.13	(2 OR, 8 XR)	
	Class	340	: COMMUNICATIONS: ELECTRICAL
	340/500		CONDITION RESPONSIVE INDICATING SYSTEM
	340/531		.With particular coupling link
	340/539.1		..Radio
	340/539.11		...Including personal portable device
	340/539.13	Tracking location (e.g., GPS, etc.)

10	455/12.1	(0 OR, 10 XR)	
	Class	455	: TELECOMMUNICATIONS
	455/7		CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E., RETRANSMISSION OF SAME INFORMATION)
	455/11.1		.Portable or mobile repeater
	455/12.1		..Space satellite

10	701/214	(2 OR, 8 XR)	
	Class	701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200		NAVIGATION
	701/207		.Employing position determining equipment
	701/213		..Using Global Positioning System (GPS)
	701/214		...Means to improve accuracy of position or location

9	342/357.14	(4 OR, 5 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/350		DIRECTIVE
	342/352		.Including a satellite
	342/357.01		..With position indicating
	342/357.06		...Using Global Positioning Satellite (GPS or Glonass)
	342/357.14	Combined with secondary navigation system (i.e., LORAN, gyroscope, inertial, dead rec koning, etc.)

9	455/456.2	(7 OR, 2 XR)	
	Class	455	: TELECOMMUNICATIONS
	455/403		RADIOTELEPHONE SYSTEM
	455/422.1		.Zoned or cellular telephone system
	455/456.1		..Location monitoring
	455/456.2		...Based on request signal

10829184_CLSTITLES

- 9 455/457 (1 OR, 8 XR)
 Class 455 : TELECOMMUNICATIONS
 455/403 RADIOTELEPHONE SYSTEM
 455/422.1 .Zoned or cellular telephone system
 455/456.1 ..Location monitoring
 455/457 ...Location display
- 9 701/209 (2 OR, 7 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system
 701/209 ...Including route searching or determining
 device
- 9 701/216 (4 OR, 5 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/213 ..Using Global Positioning System (GPS)
 701/214 ...Means to improve accuracy of position or
 location
 701/216Having an self-contained position computin
- g means (e.g., dead reckoning)
- 9 701/300 (1 OR, 8 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/300 RELATIVE LOCATION
- 8 73/178R (2 OR, 6 XR)
 Class 073 : MEASURING AND TESTING
 73/178R NAVIGATION
- 8 340/539.1 (0 OR, 8 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/531 .With particular coupling link
 340/539.1 ..Radio
- 8 340/905 (2 OR, 6 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

340/905 .Highway information (e.g., weather, speed
 limits, etc.)

Page 6

10829184_CLSTITLES

340/995.1 .Map display

7 342/450 (0 OR, 7 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/450 .Position indicating (e.g., triangulation)

7 455/456.1 (1 OR, 6 XR)
 Class 455 : TELECOMMUNICATIONS
 455/403 RADIOTELEPHONE SYSTEM
 455/422.1 .Zoned or cellular telephone system
 455/456.1 ..Location monitoring

7 455/456.3 (7 OR, 0 XR)
 Class 455 : TELECOMMUNICATIONS
 455/403 RADIOTELEPHONE SYSTEM
 455/422.1 .Zoned or cellular telephone system
 455/456.1 ..Location monitoring
 455/456.3 ...Position based personal service

7 701/210 (3 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system
 701/209 ...Including route searching or determining
 device
 701/210Route correction, modification, or
 verification

6 340/426.2 (0 OR, 6 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 340/426.1 .Of burglary or unauthorized use
 340/426.18 ..Remote alarm
 340/426.2 ...Cellular

6 340/989 (1 OR, 5 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/989 .At remote location

6 340/995.14 (1 OR, 5 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display

10829184_CLSTITLES

340/995.14 ..Manipulation of map display or data

6 342/357.01 (1 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 ..Including a satellite

342/357.01 ..With position indicating

6 455/517 (0 OR, 6 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/500 .Plural transmitters or receivers (i.e., more
than two stations)

455/507 ..Central station (e.g., master, etc.)

455/517 ...To or from mobile station

6 455/524 (0 OR, 6 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/500 .Plural transmitters or receivers (i.e., more
than two stations)

455/507 ..Central station (e.g., master, etc.)

455/517 ...To or from mobile station

455/524Multiple base stations

6 701/117 (1 OR, 5 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/117 .Traffic analysis or control of surface vehicl

e

6 701/50 (2 OR, 4 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/50 .Construction or agricultural-type vehicle
(e.g., crane, forklift)

5 340/426.19 (0 OR, 5 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

10829184_CLSTITLES

340/426.1 .Of burglary or unauthorized use
 340/426.18 ..Remote alarm
 340/426.19 ...Using GPS (i.e., location)

5 340/825.36 (0 OR, 5 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.36 .Having indication or alarm (e.g., location indication)

5 342/357.02 (3 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.02 ...With accuracy enhancing

5 701/301 (0 OR, 5 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 701/300 RELATIVE LOCATION
 701/301 .Collision avoidance

4 340/438 (2 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 340/438 .Internal alarm or indicator responsive to a condition of the vehicle

4 340/573.1 (2 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/573.1 ..Human or animal

4 340/991 (1 OR, 3 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/989 .At remote location
 340/991 ..Position indication transmitted by vehicle after receipt of information from local station

tion

4 340/995.13 (1 OR, 3 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display

```
340/995.12    ..Transmission of map data to vehicle
340/995.13    ...Traffic information
```

- Page 10

10829184_CLSTITLES

- 4 343/700MS (0 OR, 4 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/700MS .Microstrip

- 4 375/356 (1 OR, 3 XR)
 - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 - 375/354 SYNCHRONIZERS
 - 375/356 .Network synchronizing more than two stations

- 4 379/37 (0 OR, 4 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/37 EMERGENCY OR ALARM COMMUNICATIONS (E.G.,
WATCHMAN'S CIRCUIT)

- 4 455/440 (0 OR, 4 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/422.1 .Zoned or cellular telephone system
 - 455/436 ..Handoff
 - 455/440 ...Based upon unit location

- 4 455/521 (1 OR, 3 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 - 455/500 .Plural transmitters or receivers (i.e., more
than two stations)
 - 455/507 ..Central station (e.g., master, etc.)
 - 455/517 ...To or from mobile station
 - 455/521Emergency dispatch or response

- 4 701/201 (2 OR, 2 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
 - 701/200 NAVIGATION
 - 701/201 .Determination of travel data based on the
start point and destination point

- 4 701/212 (0 OR, 4 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
 - 701/200 NAVIGATION
 - 701/207 .Employing position determining equipment
 - 701/208 ..For use in a map data base system
 - 701/212 ...Having variable map scale

10829184_CLSTITLES

- 4 701/35 (0 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/29 .Vehicle diagnosis or maintenance indication
 701/35 ..With data recording device
- 3 340/426.18 (1 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 340/426.1 .Of burglary or unauthorized use
 340/426.18 ..Remote alarm
- 3 340/961 (2 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS
 340/961 .Potential collision with other aircraft
- 3 340/995.18 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.14 ..Manipulation of map display or data
 340/995.18 ...Particular data storage
- 3 342/357.11 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.11Attitude determination
- 3 342/357.16 (2 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.16 ...Using low Earth orbit (telecommunication)
 satellites
- 3 342/357.17 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES

10829184_CLSTITLES

	342/350	DIRECTIVE
	342/352	.Including a satellite
	342/357.01	..With position indicating
	342/357.17	...With particular action taken responsive to position
3	455/456.6	(0 OR, 3 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/403	RADIOTELEPHONE SYSTEM
	455/422.1	.Zoned or cellular telephone system
	455/456.1	..Location monitoring
	455/456.6	...At remote station (i.e., mobile station)
3	455/502	(3 OR, 0 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/39	TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
	455/500	.Plural transmitters or receivers (i.e., more than two stations)
	455/501	..Noise, distortion, or singing reduction
	455/502	...Synchronized stations
3	701/1	(0 OR, 3 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
3	701/14	(0 OR, 3 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/3	.Aeronautical vehicle
	701/14	..Flight condition indicating system
3	701/202	(1 OR, 2 XR)
	Class 701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/201	.Determination of travel data based on the start point and destination point
	701/202	..Route pre-planning
2	128/903	(0 OR, 2 XR)
	Class 128 :	SURGERY
	128/903	RADIO TELEMETRY

10829184_CLSTITLES

- 2 180/287 (0 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT
 OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT
 180/287 .By preventing unauthorized or unintended
 access or use
- 2 244/171 (0 OR, 2 XR)
 Class 244 : AERONAUTICS
 244/158R SPACECRAFT
 244/164 .Attitude control
 244/171 ..With attitude sensor means
- 2 307/10.1 (0 OR, 2 XR)
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION
 SYSTEMS
 307/9.1 VEHICLE MOUNTED SYSTEMS
 307/10.1 .Automobile
- 2 340/10.1 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/10.1 .Interrogation response
- 2 340/10.2 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/10.1 .Interrogation response
 340/10.2 ..Contention avoidance
- 2 340/10.31 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/10.1 .Interrogation response
 340/10.3 ..Interrogation signal detail
 340/10.31 ...Individual call
- 2 340/10.41 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/10.1 .Interrogation response
 340/10.4 ..Response signal detail
 340/10.41 ...Combination response
- 2 340/436 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS

10829184_CLSTITLES

- 340/436 .Of collision or contact with external object
- 2 340/5.61 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/5.1 .Intelligence comparison for controlling
 340/5.2 ..Authorization control (e.g., entry into an
 area)
 340/5.6 ...Coded record input (e.g., IC card or key)
 340/5.61Wireless transceiver
- 2 340/573.3 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/573.1 ..Human or animal
 340/573.3 ...Domestic animal training, monitoring, or
 controlling
- 2 340/573.4 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/573.1 ..Human or animal
 340/573.4 ...House arrest system, wandering, or wrong
 place
- 2 340/7.21 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.36 .Having indication or alarm (e.g., location
 indication)
 340/7.2 ..Code responsive (i.e., paging)
 340/7.21 ...Two-way paging
- 2 340/7.43 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.36 .Having indication or alarm (e.g., location
 indication)
 340/7.2 ..Code responsive (i.e., paging)
 340/7.43 ...Particular message and address format (e.g.
 POCSAG, FLEX, etc.)
- 2 340/7.5 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL

10829184_CLSTITLES

340/825 SELECTIVE
 340/825.36 .Having indication or alarm (e.g., location indication)
 340/7.2 ..Code responsive (i.e., paging)
 340/7.5 ...Distress signal

2 340/903 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM
 340/902 .Transmitter in another vehicle (e.g., emergency vehicle)
 340/903 ..Relative distance between vehicles (e.g., collision alert)

2 340/933 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/933 VEHICLE DETECTORS

2 340/979 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS
 340/971 .Nonalarm flight indicator
 340/979 ..Heading (includes deviation from desired course)

2 340/992 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/989 .At remote location
 340/992 ..Position indication transmitted at periodic intervals (e.g., distance travelled)

2 340/993 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/989 .At remote location
 340/993 ..Position indication transmitted by local station to remote location

2 340/995.19 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.19 ..Route determination and display on map

2 340/995.2 (0 OR, 2 XR)

10829184_CLSTITLES

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.19 ..Route determination and display on map
 340/995.2 ...Intersection turn guidance

2 340/995.21 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.19 ..Route determination and display on map
 340/995.2 ...Intersection turn guidance
 340/995.21Off course, route re-search

2 340/995.24 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.24 ..Including landmark information

2 340/995.27 (1 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.27 ..Including particular display feature (e.g.,
 indication of direction, mileage, road type

, etc.)

2 342/118 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE

2 342/29 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/29 AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)

2 342/357.05 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.05 ...Using Doppler frequency shift

2 342/363 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

10829184_CLSTITLES
AND DEVICES

342/350 DIRECTIVE

342/361 .Including polarized signal communication
transmitter or receiver

342/362 ..Receiver only

342/363 ...Circular

2 342/386 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/385 .Beacon or receiver

342/386 ..With transmisson of bearing or position
determinative signals

2 342/451 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

342/451 ..By computer

2 342/462 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

342/462 ..With altitude determination

2 342/465 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

342/463 ..Having plural transmitters or receivers

342/465 ...Plural receivers only

2 343/713 (2 OR, 0 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/711 .With vehicle

343/713 ..Supported by vehicle body

2 343/725 (0 OR, 2 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/725 .Plural separate diverse type

10829184_CLSTITLES

2 348/116 (1 OR, 1 XR)
 Class 348 : TELEVISION
 348/61 SPECIAL APPLICATIONS
 348/113 .Navigation
 348/116 ..Direction finding or location determination

2 361/814 (0 OR, 2 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
 ELECTRICAL COMPONENTS
 361/679 .For electronic systems and devices
 361/814 ..Radio type

2 370/316 (2 OR, 0 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/315 .Repeater
 370/316 ..Airborne or space satellite repeater

2 370/324 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/315 .Repeater
 370/316 ..Airborne or space satellite repeater
 370/319 ...Multiple access (e.g., FDMA)
 370/321Time division (TDMA)
 370/324Synchronization

2 370/335 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/328 .Having a plurality of contiguous regions
 served by respective fixed stations
 370/329 ..Channel assignment
 370/335 ...Combining or distributing information via
 code word channels using multiple access te

chniques (e.g.,

CDMA)

2 370/346 (2 OR, 0 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/345 .Combining or distributing information via tim
 e
 channels
 370/346 ..Polling

10829184_CLSTITLES

2 375/376 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction
 375/373 ..Phase locking
 375/376 ...Phase locked loop

2 379/45 (0 OR, 2 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/37 EMERGENCY OR ALARM COMMUNICATIONS (E.G.,
 WATCHMAN'S CIRCUIT)
 379/45 .Central office responsive to emergency call o
 r
 alarm (e.g., "911", operator position displ
 ay)

2 380/258 (1 OR, 1 XR)
 Class 380 : CRYPTOGRAPHY
 380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY
 380/258 .Position dependent or authenticating

2 396/310 (1 OR, 1 XR)
 Class 396 : PHOTOGRAPHY
 396/310 WITH DATA RECORDING

2 455/11.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,
 RETRANSMISSION OF SAME INFORMATION)
 455/11.1 .Portable or mobile repeater

2 455/13.2 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,
 RETRANSMISSION OF SAME INFORMATION)
 455/11.1 .Portable or mobile repeater
 455/12.1 ..Space satellite
 455/13.2 ...With synchronizing of satellites or system

2 455/439 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/403 RADIOTELEPHONE SYSTEM
 455/422.1 .Zoned or cellular telephone system
 455/436 ..Handoff
 455/439 ...Handoff initiated by another source (e.g.,

10829184_CLSTITLES

target, user initiated, mobile switching center (MSC), or mobile telephone switching office (MTSO), etc.)

2 455/445 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/445 ..Call routing (e.g., to prevent backhaul, routing efficiency, least cost, or alternate routing)

2 455/454 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/450 ..Channel allocation

455/454 ...Spectrum sharing for different type of system (e.g., point-to-point microwave, television, etc.)

2 455/522 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/500 .Plural transmitters or receivers (i.e., more than two stations)

455/507 ..Central station (e.g., master, etc.)

455/517 ...To or from mobile station

455/522Transmission power control technique

2 455/560 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCIVER)

455/550.1 .Radiotelephone equipment detail

455/560 ..Switching unit detail (e.g., mobile telephone

switching office (MTSO), base station controller (BSC), etc.)

2 455/563 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

10829184_CLSTITLES

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail
455/563 ..Having voice recognition or synthesization

2 455/575.9 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail
455/575.1 ..Housing or support
455/575.9 ...In vehicle

2 607/30 (1 OR, 1 XR)

Class 607 : SURGERY: LIGHT, THERMAL, AND ELECTRICAL
APPLICATION
607/1 LIGHT, THERMAL, AND ELECTRICAL APPLICATION
607/2 .Electrical therapeutic systems
607/9 ..Heart rate regulating (e.g., pacing)
607/30 ...Remotely changing, (e.g., programming,
pacer) parameters or operation

2 700/3 (0 OR, 2 XR)

Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
SPECIFIC APPLICATIONS
700/1 GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS
700/2 .Plural processors
700/3 ..Master-slave

2 701/120 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/120 .Traffic analysis or control of aircraft

2 701/217 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/217 ..Using dead-reckoning apparatus

2 701/221 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION

10829184_CLSTITLES

701/207 .Employing position determining equipment
701/220 ..Using inertial sensor
701/221 ...With correction by noninertial sensor

2 701/222 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/222 ..Using star tracker

2 701/24 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/23 .Automatic route guidance vehicle
701/24 ..On-board computer interact with a host
computer

2 701/29 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/29 .Vehicle diagnosis or maintenance indication

2 702/166 (2 OR, 0 XR)
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
TESTING
702/127 MEASUREMENT SYSTEM
702/155 .Dimensional determination
702/166 ..Height or depth

2 704/260 (2 OR, 0 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/258 .Synthesis
704/260 ..Image to speech

2 704/270 (0 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION

	10829184_CLSTITLES
704/200	SPEECH SIGNAL PROCESSING
704/270	.Application

above 5
 abstract 1
 abstracts 1
 accompanying 2
 accomplish 1
 according 10
 accordingly 3
 accurate 4
 achieved 3
 ad 2
 adapted 1
 additionally 4
 additions 1
 advantages 1
 ahrough 1
 allow 3
 also 3
 alternately 3
 although 1
 amplification 1
 amplified 3
 amplifier 11
 amplifying 4
 an 20
 analog 2
 analyzes 2
 analyzing 2
 and 132
 antenna 14
 applied 2
 applies 1
 appreciate 1
 are 11
 arise 2
 arises 2
 art 3
 as 7
 at 3
 attempts 1
 audible 9
 audibly 5
 audio 2
 back 5
 background 1
 battery 9
 be 25
 been 4
 being 2

below 1
block 5
body 1
brief 1
but 4
by 15
can 11
cannot 2
capable 1
case 4
cell 2
central 20
centrdl 1
circuit 1
claims 1
clearly 1
collision 3
combine 1
combined 32
communicate 4
communicating 3
communication 13
components 3
composed 1
computer 4
conjunction 1
connect 1
considerably 1
constituting 1
constr 1
constructed 10
construction 8
consumption 5
control 5
controlling 5
controls 4
conventional 7
converted 2
converter 3
converting 2
converts 1
coordinates 3
cted 2
cut 3
dashboard 1
data 48
demodulator 3
departing 1

described 2
 description 4
 designate 1
 designates 1
 det 1
 detail 2
 detailed 2
 detected 21
 detecting 14
 detection 3
 detector 32
 detects 2
 developed 1
 devices 3
 diagram 6
 difference 12
 different 3
 difficult 3
 digital 5
 diodes 1
 directionality 1
 disadvantageous 1
 disclosed 2
 display 38
 displaying 3
 displays 2
 downloaded 2
 downloading 4
 drawings 4
 drive 7
 driver 21
 drives 2
 driving 2
 due 1
 dyn 1
 each 5
 easily 1
 easy 3
 embodiment 1
 embodiments 2
 emitting 1
 enable 4
 enables 1
 enabling 2
 engine 24
 ensure 1
 esent 1
 europe 1

every 1
excessive 1
extracts 1
fashion 1
fastening 1
faulty 1
features 1
field 1
fig 8
filter 5
filtered 1
first 23
flickering 2
following 1
for 65
frequencies 3
frequency 19
from 22
front 4
further 5
furthermore 3
general 1
generalized 1
generally 3
generated 3
generator 2
geperally 1
ghz 8
global 4
gps 44
guarantee 1
has 3
have 3
having 3
high 3
horn 14
however 4
ic 1
idformation 1
illustrative 1
in 35
include 3
included 2
includes 12
including 3
increased 1
incurred 4
indicate 3

indication 9
inform 2
information 69
informing 3
informmation 1
informntion 1
infprmsng 1
inkide 1
input 2
inside 2
install 1
installation 5
integrated 5
interference 1
internal 3
into 5
invention 19
is 52
it 3
keeping 1
kinds 10
large 1
laser 44
le 1
leds 2
light 1
limited 1
line 1
lines 2
local 15
located 2
location 10
lost 3
low 1
made 2
maintenance 1
may 5
means 5
meanwhile 3
memory 6
method 1
mhz 7
mic 1
microwaves 1
mind 1
miniaeurization 1
miniaturization 2
minimized 4

mixed 2
mixer 11
mixing 4
mo 1
modifications 1
module 44
modules 1
more 3
mounted 1
mounting 3
moving 10
ms 1
needs 1
not 4
now 1
numeral 1
numerals 1
object 2
objects 1
occur 1
occurring 1
of 137
off 3
on 5
one 1
only 3
operated 3
operates 1
operating 3
operation 8
operations 6
or 14
order 1
oscillation 2
oscillations 9
oscillator 8
oscillators 7
other 7
output 12
outputs 2
outputting 9
outside 3
page 17
part 1
particular 1
particularly 2
passed 2
passing 3

placed 5
portable 2
positioning 4
possible 1
power 15
preferred 2
prepare 1
present 14
prevent 4
prevented 1
prior 1
problem 3
problems 3
processing 12
processor 21
produce 1
produces 1
producing 4
provide 7
provided 1
provides 2
purposes 1
radar 32
re 1
receive 2
received 22
receiver 9
receiving 45
reduced 1
reference 3
related 8
relates 2
reliability 1
represented 1
required 1
restricted 1
restricting 2
restriction 1
result 1
road 1
safe 1
safely 7
safety 1
same 2
satellite 3
schematically 4
school 1
scope 1

second 17
 segment 2
 selectively 2
 separated 3
 serial 7
 seven 2
 should 1
 showing 7
 shown 2
 signal 70
 signals 24
 similar 1
 single 1
 signal 1
 size 2
 skilled 1
 smaller 1
 so 13
 solar 2
 solve 1
 solved 1
 space 2
 speed 9
 spirit 1
 still 1
 stopped 1
 stored 2
 storing 3
 substitutions 1
 such 4
 summary 1
 supplied 2
 supplies 1
 supply 1
 supplying 1
 sweep 2
 switch 1
 switched 2
 switches 1
 switching 6
 system 4
 taken 1
 temporarily 4
 than 1
 that 37
 the 386
 there 1
 therefrom 1

thereof 8
therethrough 2
third 8
this 3
those 1
thp 1
through 40
throughout 1
through 1
thus 3
time 4
to 109
traffic 15
transmission 7
transmits 2
transmitted 7
transmitting 2
ultra 1
under 1
understood 1
unit 90
up 5
use 1
used 6
user 4
uses 2
using 11
various 12
vehicle 20
vehicles 1
view 1
visual 10
visually 4
voltage 3
voltages 2
way 3
when 4
which 10
while 1
whose 1
will 2
wire 1
wireless 6
wirelessly 9
with 19
without 1
work 1
zones 3